



The demand for “Air big data ” has become extensive and maintaining cached fare information is now a strategical asset for travel companies.

Today the volume of data that can be stored and processed is enormous and requires adapted and powerful technology and infrastructure.

The “hunger” for data in the travel industry is constantly growing.

Tour operators need to be able to package their offer with accurate prices almost a year in advance and request millions of fare data.

Metasearch need to cope with simultaneous fare inquiries without generating excessive traffic through GDS and CRS.

Consolidators, OTAs and agencies need to reduce the volume of live queries to the GDS and CRS and optimize their look to book ratio.

The term “Big Data” is does not simply mean amassing a lot of data beyond the capabilities of a typical database in terms of volume, it increases workload and costs and requires technologies to intelligently extract meaningful information from it.

“Air big Data” must meet 4 main criteria:

- ✓ Volume
- ✓ Variety
- ✓ Velocity
- ✓ Relevance
- ✓ Frequency

Ypsilon processes millions of fare and itinerary data daily from thousands of OTAs, consolidators, agency groups and Tour operators, hence amassing a significant volume of data that can be reused intelligently.

The variety of data is provided from different sources: legacy carriers, low cost carriers, charters, consolidated net fares , charters and direct connect carriers making the data extremely rich and relevant.

The cache data provided can be compressed in different format : EDF, EDF binary, JSON, CSV, INFX in order to be used by player technologies and packaging engines.



Our RIAK databases and professional infrastructure and processing power allow us to compress and deliver data at high velocity and frequency.

Benefits of “Air Big data”

- ✓ Reduce scans on GDS/CRS
- ✓ Improved look to book ratio
- ✓ Reduce production costs
- ✓ Increase response speed
- ✓ Maximize revenue per booking
- ✓ Increase productivity
- ✓ Data variety
- ✓ Ideal for data analytic
- ✓ Fare accuracy

Cache data can of course be booked through our XML API on the following systems:

GDS:

- ✓ Amadeus
- ✓ Sabre
- ✓ Travelport
- ✓ Farelogix

CRS:

- ✓ Navitaire
- ✓ Easyres
- ✓ Avantik
- ✓ Radixx
- ✓ Opentravel
- ✓ 4th Dimension
- ✓ Airkiosk
- ✓ Cosmoecho
- ✓ Xreservation
- ✓ Diverse proprietary systems such as U2, NG, LS, 9B, DJ

Vertical Integration of IT Solutions for the Travel Industry

The travel industry requires more than ever fully integrated solutions as opposed to patchworks of hard to maintain incompatible software.

Ypsilon provides end-to-end IT solutions for the travel industry ranging from fare management, multi GDS B2B/B2C booking engines and XML API, lowcost carrier content, hotel and car engines, ticketing robots, mid-and backoffice systems, tour-operator modules, cache data in diverse formats (EDF/OTDS/CSV), PCI DSS solutions, fraud prevention systems and payment solutions.

Our goal is to provide our customers with a complete turnkey solution to meet their specific needs at a highly competitive price.